ARENA
The Disk Array Specialist

Fibre to SAS RAID Subsystem

-- The RAID makes business continuity realized.

PRODUCT HIGHLIGHT

- 4Gb FC host interface.
- Support up to 12 SAS/SATA II drives.
- 2U rackmount, high density design.
- No operating downtime and easy maintenance with:
  --Redundant, hot-swappable components
  --Modular architecture design
- User-friendly, web browser-based RAID management interface.
- Event notification through e-mail or SNMP trap.

SS-4551E

The RAID system setup an important milestone for MaxTronic approaching to critical high-end enterprise demands. Latest 4Gb FC host interface with advanced high performance CPU supports higher data operation rate. Powerful hardware engine, high scalable expansion options and user-friendly management interface make it the best choice for fault tolerance, high performance solution.

FEATURES AND BENEFITS

Complete Data Protection
Various RAID Levels: JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, or NRAID supported and complete RAID functions fulfill multiple data-redundancy requirements during system operation time.

Flexible Compatibility
Advanced 4Gb FC host interface supports the former 2Gb FC and 1Gb FC interface with no hardware modification request. The SAS disk interface supports the most cost effective drive to lower TOC.

Better Firmware Protection
Dual Flash ROM on-board, embedded flash auto-backup function, supports higher system availability during firmware upgrading or single ROM failure.

Extreme Performance
Advanced 4Gb FC host-transferring-speed with latest RISC CPU which delivers high performance for heavy duty business application.

Smart I/O Path Management
Just simple double-click installation, host-based Path-Guard Software enables end-to-end I/O path failover & failback and dynamic I/O load balancing function to improve operation efficiency.

Fibre

Technical Specifications

Host Channel	
Model No.	SS-4551E
Host Interface	4Gb FC
Data Transfer Rate	Up to 4Gb/s per port
Host Channel No.	2
External Connector Type	SFP (*1)
JBOD Expansion	Yes (optional)(*2)

*1. SFP transceiver is not included.
*2. Support up to 48 disk drives.

Hardware	
Controller	Single
Controller CPU	AMCC PPC 440SP
Cache Memory	1024-4096 MB DDR II
Disk Interface	SAS (SATA II compatible)
Disk Channel No.	12
Hot Swap Disk Tray	12 x 3.5" swappable trays
Hot Swap Power Supply	350W x2 Redundant
AC Input Voltage	100 to 240V (+/-10%), 47 to 63 Hz
Battery Backup	Yes (optional)
Hot Swap Fan Module	2 x Turbo Fan
RAID Functions	
RAID Levels	JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID
RAID Features	Online RAID level and stripe size migration Online disk group expansion Online disk group defragmentation for free space consolidation Online volume management, support striping and concatenating Online LUN capacity expansion and shrink Online manual or periodic disk scrubbing with parity check and rebuild Disk health monitoring and self tests by S.M.A.R.T. technology Online drive traveling and array roaming Independent LUN caching policies with dynamic optimization algorithms Support A/V streaming (*3) performance profile with fast read response
Advanced Data Reliability Assurance	SMART Cor. Function (DST, DS, DC)

* 3. AV Streaming feature is special for video editing application demands.

RAID Management	
Front Panel LCD and Buttons	Easy access for configuration and status report
RS-232 Terminal	Command Line Interface (CLI) for configuration and status report
GUI	Embedded Ethernet connection, web browser-based RAID management GUI for configuration and status monitoring
Event Notification	Built-in buzzer, e-mail, SNMP trap (*4), downloadable event records (up to 1024)

*4. Notification through e-mail or SNMP trap is supported by web browser-based GUI.

Management AP	
PathGuard Software	Multiple paths to each device End-to-end I/O path failover and failback Dynamic I/O load balancing
RAIDGuard Central	Storage of complete event log records Convenient event log export feature Instant event log notification via MSN Multiple platforms support
Windows VDS	http://msdn2.microsoft.com/en-us/library/aa381442.aspx
Environment Specification	
Humidity	20% to 80% non-condensing
Operating Temperature	5℃ to 40℃ 41℉ to 104℉
Non-operating Temperature	-25℃ to 60℃ -13℉ to 140℉
Safety Regulatory	UL, CUL, CB
EMC Standard	FCC, CE, C-Tick, BSMI
Dimension and Weight	
Physical Dimension	485(W) x 565(D) x 88(H) mm
Physical Weight (without drives)	19Kgs
Packed Dimension	610(W) x 790(D) x 430(H) mm
Packed Weight (without drives)	28 Kgs

* Specifications and product offerings may vary without notice. * Various trademarks belong to their respective owners.

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Headquarters
MaxTronic International Co., Ltd.
TEL : 886-2-2218 4875
FAX : 886-2-2218 4896
http://www.maxtronic.com.tw

America
Arena-MaxTronic Inc.
TEL : 1-626-334 1888
FAX : 1-626-334 6888
http://www.maxtronic.com

China
欧骅股份有限公司 北京代表处
TEL : 86-10-8280 0080
FAX : 86-10-8280 0784
http://www.maxtronic.com.cn